

### Amendments to the Specification

Please replace the Abstract of the Disclosure with the following re-written

Abstract:

A magnetic field gradient coil includes upper and lower sections (40, 42) that define a coil bore (44) therebetween. The upper section (40) has an arcuate curvature ( $C_{upper}$ ) transverse to a longitudinal direction and a length ( $L_{upper}$ ) in the longitudinal direction that is smaller than a longitudinal length ( $L_{lower}$ ) of the lower section (42). Gradient coil windings (70, 72, 74, 76, 102, 104, 112, 114) impose one or more transverse magnetic field gradients on a static magnetic field generally oriented in the longitudinal direction. The e~~oil~~-windings are supported by ~~both~~ the upper and lower sections (40, 42) of the coils support. The e~~oil~~ windings supported by the upper section (40) are longitudinally limited in distribution to the longitudinal length ( $L_{upper}$ ) of the upper section (40), which is ~~so~~ter~~shorter~~ than its diameter. The e~~oil~~-windings supported by the lower section (42) are longitudinally distributed across substantially the ~~longitudinal~~ length ( $L_{lower}$ ) of the lower section (42).